Rock Mechanics and Rock Engineering

Vol. 28 / 1995

Index





Springer-Verlag Wien New York

ISSN 0723-2632

Rock Mechanics and Rock Engineering

EDITOR

Professor K. Kovári, Swiss Federal Institute of Technology Zurich, ETH-Hönggerberg, P. O. Box 133, CH-8093 Zürich, Switzerland

CO-EDITOR

Professor H. H. Einstein, Department of Civil Engineering, Room 1-330, Massachusetts Institute of Technology, Cambridge, MA 02139, U. S. A.

ASSISTANT EDITOR

A. Tisa, Swiss Federal Institute of Technology Zurich, ETH-Hönggerberg, P. O. Box 133, CH-8093 Zürich, Switzerland

ASSOCIATE EDITORS

Professor Z. T. Bieniawski 122 Mineral Sciences Building Pennsylvania State University University Park, PA 16802 U. S. A.

Dr. E. Broch University of Trondheim Høgskoleringen 6 N-7034 Trondheim-NRH Norway

ADVISORY BOARD

Dr. G. Anagnostou Institut für Geotechnik ETH-Hönggerberg Zürich, Switzerland

Dr. D. C. Banks Department of the Army Corps of Engineers Vicksburg, Miss., U. S. A.

Dr. N. Barton Norwegian Geotechnical Institute Oslo, Norway

Professor T. L. Brekke University of California Berkeley, Calif., U. S. A.

Dr. T. B. Celestino THEMAG Engenhario Ltda. Sao Paulo, Brazil

Dr. H. Doležalová Department Head Ph. P. Praha, Czech Republic

Dr. T. Durgunoğlu Boğaziçi University Istanbul, Turkey

Yu. A. Fishman Dept. of Rock Foundations Institute "Hydroproject" Moscow, Russia Mr. T. Franzén SveBeFo, Box 49153 S-10029 Stockholm Sweden

Professor B. Ladanyi Dept. of Civil Engineering Ecole Polytechnique CP 6079, succ. Centre-ville Montréal H3C 3A7 Canada

Professor Dr. G. Gioda Politecnico di Milano Dipartimento di Ingegneria Strutturale Milano, Italy

Professor R. E. Goodman University of California Berkeley, Calif., U. S. A.

Dr. Gy. Greschik Institute for Engineering Geology Budapest, Hungary

Professor P. Habib Ecole Polytechnique Palaiseau, France

Dr. A. T. Jakubick Volkertshausen Federal Republic of Germany

Dr. M. John Ingenieurgemeinschaft Lässer-Feizlmayr Innsbruck, Austria

Professor P. K. Kaiser Laurentian University Sudbury, Ontario Canada Professor R. Ribacchi Dipartimento di Ingegneria Strutturale e Geotecnica Via Monte d'Oro, 28 I-00186 Roma, Italy

Professor S. Sakurai Dept. of Architecture and Civil Engineering Kobe University Kobe 657, Japan

Professor M. Panet Société Havraise des Pétroles Paris, France

Professor M. Romana Polytechnical University Valencia, Spain

Dr. P. Rossi ISMES Bergamo, Italy

Dr. K. Saari Technical Research Center of Finland Espoo, Finland

Professor O. Stephansson Royal Institute of Technology Stockholm, Sweden

Professor S. Valliappan University of New South Wales Kensington, N. S. W. Australia

Dr. W. Wawersik Sandia National Laboratories Albuquerque, N. Mex. U.S. A.

Professor Weishen Zhu Institute of Rock and Soil Mechanics, Academia Sinica Wuhan, China

Index

Original Papers

Azzoni, A., de Freitas, M. H.: Experimentally Gained Parameters, Decisive for Rock Fall Analysis	111
Dwyer, J. F., Amadei, B.: Application of the Edge Function Method to Rock Mechanics Problems	185
Fourney, W. L., Dick, R. D., Young, C., III: Response of Oil Shale to Fragmentation by Cylindrical Charges	37
Huang, T. H., Chang, C. S., Yang, Z. Y.: Elastic Moduli for Fractured Rock Mass	135
Ishida, T., Saito, T.: Observation of Core Discing and in Situ Stress Measurements; Stress Criteria Causing Core Discing	167
Marenče, M., Swoboda, G.: Numerical Model for Rock Bolts with Consideration of Rock Joint Movements	145
Schlangen, E., Van Mier, J. G. M.: Crack Propagation in Sandstone: Combined Experimental and Numerical Approach	93
Schultz, R. A.: Limits on Strength and Deformation Properties of Jointed Basaltic Rock Masses	1
Seidel, J. P., Haberfield, C. M.: Towards an Understanding of Joint Roughness	69
Seidel, J. P., Haberfield, C. M.: The Application of Energy Principles to the Determination of the Sliding Resistance of Rock Joints	211
Talesnick, M. L., Lee, M. Y., Haimson, B. C.: On the Determination of Elastic Material Parameters of Transverse Isotropic Rocks from a Single Test Specimen	17

Technical Notes

Brereton, N. R., Chroston, P. N., Evans, C. J.: Pore Pressure as an Explanation of Complex Anelastic Strain. Recovery Results .	59
Nawrocki, P. A., Dusseault, M. B.: Modelling of Damaged Zones Around Openings Using Radius-Dependent Young's Modulus	227
Pelli, F., Kaiser, P. K., Morgenstern, N. R.: Effects of Rock Mass Anisotropy and Non-Linearity on the Near Face Stresses in Deep Tunnels	125
Book Review	240
Announcements	, 242

Abstracted/Indexed in: Current Contents, SCI, and ASCA, Applied Mechanics Reviews, IBZ, Geotechnical Abstracts and GeoRef

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher.

© 1995 by Springer-Verlag/Wien

